

Merging Tools to Identify Most-Cited FIC-Funded Research 2008 to 2012

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Background

The Fogarty International Center (FIC) annually conducts a portfolio analysis that is used by leadership to inform decision-making about overall strategic and programmatic directions for the Center. To further understand outputs and impacts of the FIC portfolio, in conjunction with the annual portfolio analysis and the development of FIC's new long-term strategic plan, FIC requested that the NIH Library assist with examining the productivity of its portfolio via publication metrics for the calendar years 2008 to 2012.

Methodology Overview

Three citation and abstract databases were queried and times cited counts calculated for publications that either were funded by or acknowledged Fogarty:

- MEDLINE/PubMed,
- Scopus,
- Web of Science.

Fields searched were:

- the **grant number field tag** for FIC,
- the **digital object identifier (DOI)**, or the
- **funding body information**.

To ensure all relevant articles were retrieved from all three databases, the **DOIs for all retrieved records were extracted**, exported to Excel, and duplicates removed.

Each database was then searched a final time by DOI. All additional results were exported to EndNote X7.

In EndNote, duplicates were tagged as “duplicate” but not removed.

MEDLINE/PubMed

Searched MEDLINE/PubMed by grant number & year: (FIC[Grant Number]) AND ("2008"[Date - Publication] : "2008"[Date - Publication])

Exported search results from MEDLINE/PubMed to EndNote X7.
Exported PMIDs from MEDLINE/PubMed in CSV format to Excel.
Extracted DOIs from MEDLINE/PubMed records.
Exported DOIs to Excel.

Scopus

Searched Scopus by **PMID** for each year:
(PMID(919043913) OR PMID(17610755) OR PMID(19050213) OR PMID(18308297) OR PMID(18068391) OR PMID(18826815) OR PMID(18086421) OR PMID(18936231) OR PMID(19091796))....

Exported results from Scopus to EndNote.

- Times cited included in Notes field.

Extracted DOIs & exported to Excel using adapted Tab Delimited output style.

Web of Science

Searched Web of Science by:

- **FG=Grant Number**
Searches the Grant Number field within the Funding Acknowledgment table within a record.
- **FO=Funding Agency**
Searches the Funding Agency field within the Funding Acknowledgment table within a record.
- **FT=Funding Text**
Searches the Funding field within a record.

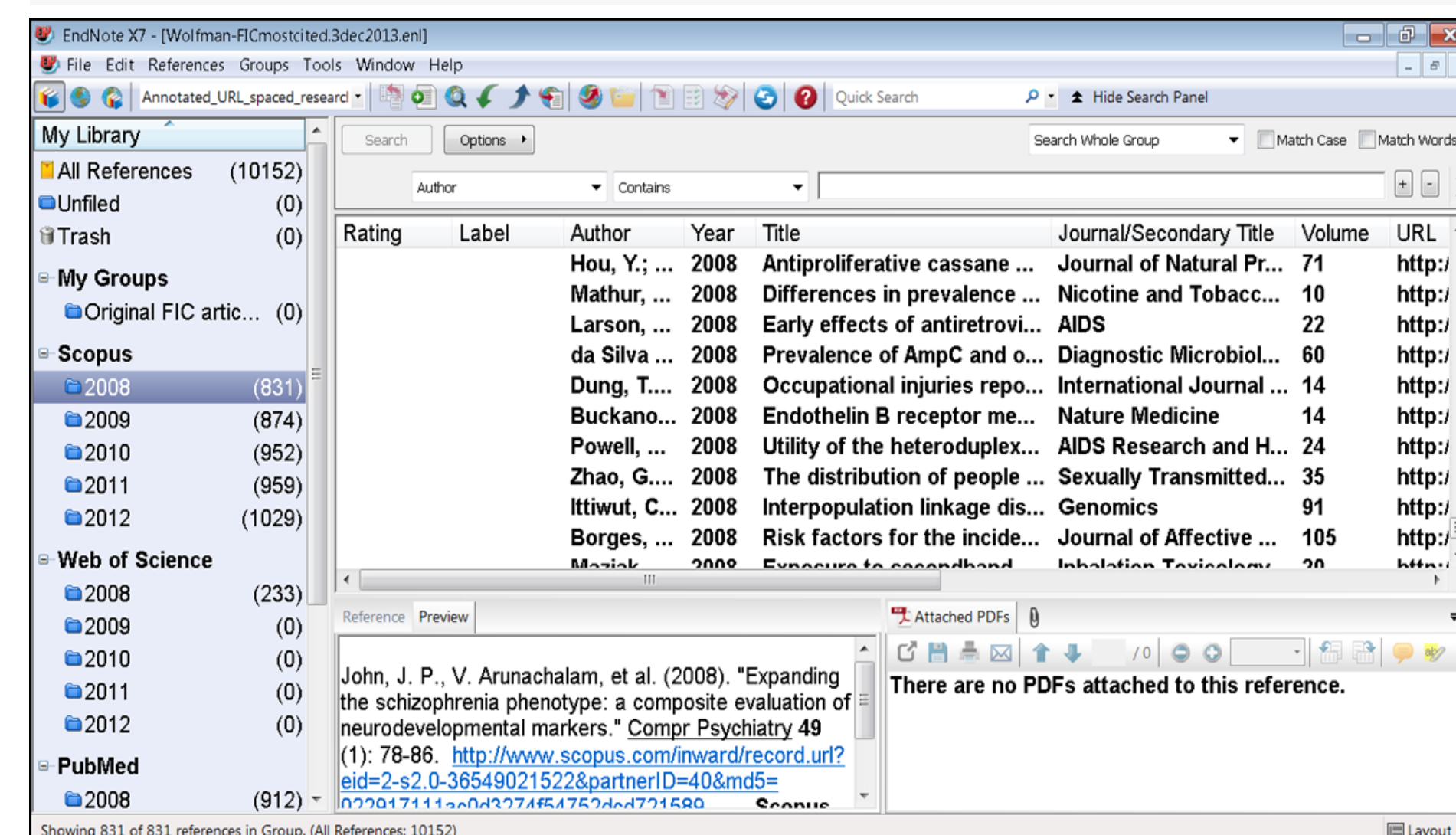
Exported results to EndNote.

- Times cited count included in Notes field.

Extracted DOIs & exported to Excel using adapted Tab Delimited output style.

EndNote Library

- One Master library with all search results.
- One library for each year for detailed analysis.



Identifying Unique Times Cited Counts

- In EndNote, sorted Web of Science & Scopus results by Times Cited counts.
- Selected 15 most-highly-cited articles per year from each database.
- Copied to a separate group folder in EndNote library.
- Marked duplicate records in Label field w/ “dup” & reviewed.
- Citing articles reviewed from Scopus & Web of Science to determine unique times cited count per year.

A final bibliography of the top 10 cited articles from 2008 to 2012 was organized by year with times cited counts. These top publications provide a measure of FIC's highest impact contributions to science in the past five years.